Jon Spezialetti, CHMM Westinghouse Savannah River Company

- Original examination of historical documents indicated no wide spread Be use at SRS
- Be identified in isolated areas in a small number of facilities
- Subsequent anecdotal evidence revealed many facilities (70+) handled, processed, or had possible Be contamination issues.

#### Complications:

- Various classified work
- poor record keeping involving Be work activities
- Loss of personal testimony due to retirements
- No consideration of low percentage Be alloy at the time

#### Examples:

- Machining equipment moved from one area/facility to another
- Revising building layout

- SRS laboratory issues confounded efforts to analyze swipe data to confirm the presence of Be surface contamination
- Lab Analysis problems were due to matrix interferences
- Use of ghost wipes (wet)



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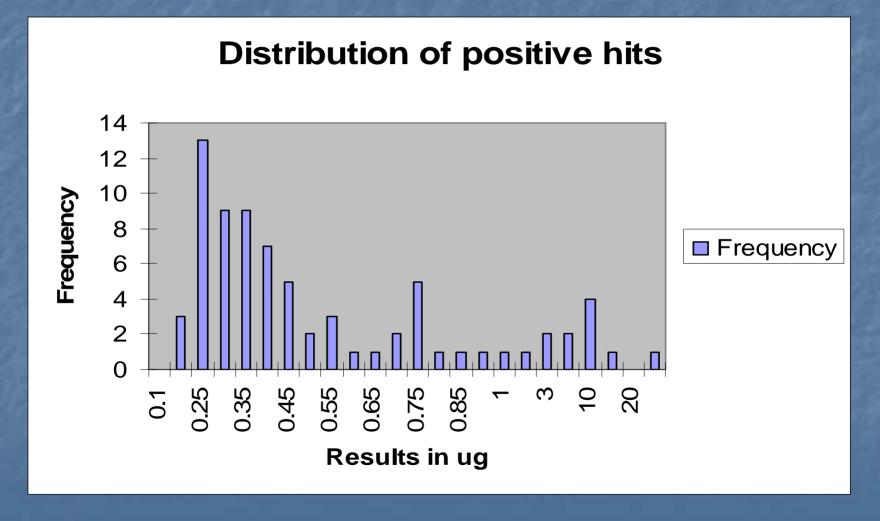


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- In 2004 a Site Task Team was formed to establish and/or clear all suspect Be Legacy Areas
- Emphasis put on currently occupied buildings and D&D activities
- Additional sampling campaigns are being conducted to establish baseline for new processing work

- 29 Facilities with 70+ discrete areas within are being investigated
- Air sample results revealed NO airborne
  Be > 0.2 µg/m³ (66 collected)
- Swipe sample results revealed ~9.4% (75 out of 799) positives hits  $\geq$  0.2 µg/100cm<sup>2</sup>
- Range of positives swipes 0.2 to 21.7 µg/100cm2



#### Path Forward

- Once area identified must backtrack and identify various work groups potentially impacted by elevated Be levels
- Post areas and provide briefings and offer Medical Surveillance
- Be Legacy Assessment schedule for completion November '04
- Develop site wide training for January '05

- Path Forward (continued)
  - Applicability of Be Rule to SRS Powerhouses
  - Known quantities of various metals in coal/fly ash including Be
  - Extremely dirty environment cannot keep surfaces clean
  - Currently conducting air sampling study schedule for completion December '04
  - Background Study on Be burden in fly ash scheduled for December '04





## Questions?